

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 6 May 2004 (06.05.2004)

PCT

(10) International Publication Number WO 2004/038108 A1

(51) International Patent Classification⁷: 27/52, E04H 12/22, F03D 1/00

E02D 27/42,

(74) Agent: HARRISON GODDARD FOOTE; Belgrave

(21) International Application Number:

PCT/GB2003/004529

(22) International Filing Date: 20 October 2003 (20.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0224656.9

23 October 2002 (23.10.2002)

(71) Applicant (for all designated States except US): THE ENGINEERING BUSINESS LIMITED [GB/GB]; Broomhaugh House, Riding Mill, Northumberland NE44 6EG (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): WATCHORN, Michael, John [GB/GB]; The Old Coach House, High Mickley, Nr Stocksfield, Northumberland NE43 7LU Hall, Belgrave Street, Leeds LS2 8DD (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,

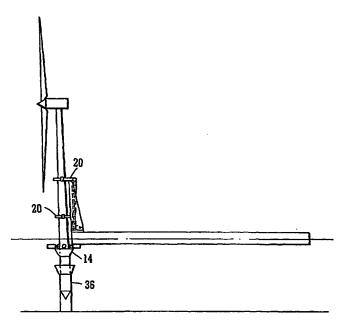
- AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOUNTING OF OFFSHORE STRUCTURES



(57) Abstract: Offshore structures such as wind turbines, wave machines and tidal stream turbines are mounted in a previously located foundation including a socket. The foundation includes an upper body with a conical inner surface which acts as a guide for inserting a leading end of the structure into the socket. The conical surface also provides a reaction surface for alignment means for setting the vertical alignment of the structure when inserted in the socket. Clamp means are provided supported by an A frame for controlled lowering of the structure into the socket.

